

What is claimed is:

1. An encoder-equipped sealing device comprising a combination of seal elements (3, 2) each formed from an annular metal core (31, 32) having a substantially L-shape cross section, each of the annular metal cores (31, 32) having a cylindrical portion (31a, 21a) and a flange portion (31b, 21b) provided on one end of said cylindrical portion (31a, 21a) and extending in the direction perpendicular to the direction in which said cylindrical portion (31a, 21a) extends, wherein

one seal element (3) of the seal elements (3, 2) and the other seal element (2) are combined together such that the space defined by the cylindrical portion (31a) and flange portion (31b) of the one seal element (3) and the space defined by the cylindrical portion (21a) and flange portion (21b) of the other seal element (2) face opposite each other;

the one seal element (3) includes a seal portion (6) made of an elastic element provided on the flange portion (31b) and arranged in the space defined by the cylindrical portion (31a) and flange portion (31b); and

the other seal element (2) includes a magnet-based encoder (1) provided on the flange portion (21b), and wherein

the encoder-equipped sealing device further includes a coating layer (8, 7) that is provided on the side (31c) of the one seal element (3) opposite the side on which the one seal element (3) is combined with the other seal element (2), or on the side (1a) of the other seal element (2) opposite the side on which the other seal element (2) is combined with the one seal element (3), or on both of the sides (31c) and (1a).

2. The encoder-equipped sealing device as defined in Claim 1, wherein the coating layer (8, 7) is formed to have the surface that provides the lubricating function.

3. The encoder-equipped sealing device as defined in Claim 1 or 2, wherein the coating layer (8, 7) is formed from a surface treatment liquid

that contains a mixture composed of a solvent and any one or ones selected from the group consisting of silicone oil, surface-active agent, wax and metallic soap.

4. The encoder-equipped sealing device as defined in any one of Claims 1 through 3, wherein the side (31c) of the one seal element (3) opposite the side on which the one seal element (3) is combined with the other seal element (2) is formed to have a rugged surface.

5. The encoder-equipped sealing device as defined in Claim 4, wherein the rugged surface is formed to have Ra 0.2 to 100.